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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/721,282	11/26/2003	Yao-Nan Lin	BHT-3111-377	5467
7590	06/27/2005		EXAMINER	
BRUCE H. TROXELL SUITE 1404 5205 LEESBURG PIKE FALLS CHURCH, VA 22041			LE, TOAN M	
			ART UNIT	PAPER NUMBER
			2863	

DATE MAILED: 06/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/721,282	LIN ET AL.
Examiner	Art Unit	
Toan M. Le	2863	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1)  Responsive to communication(s) filed on 26 November 2003.

2a)  This action is **FINAL**.                    2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## **Disposition of Claims**

4)  Claim(s) 1-12 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5)  Claim(s) 1-9, 11 and 12 is/are allowed.

6)  Claim(s) \_\_\_\_\_ is/are rejected.

7)  Claim(s) 10 is/are objected to.

8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on 26 November 2003 is/are: a)  accepted or b)  objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All    b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1)  Notice of References Cited (PTO-892)  
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4)  Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5)  Notice of Informal Patent Application (PTO-152)  
6)  Other: \_\_\_\_\_.  
\_\_\_\_\_

## **DETAILED ACTION**

### *Specification*

The abstract of the disclosure is objected to because line 2, "comprises" should read - includes-.

Correction is required. See MPEP § 608.01(b).

### *Claim Objections*

Claim 10 is objected to because of the following informalities:

Referring to claim 10, line 1-2, "wherein the method is applicable to hardware, software and firmware", it is not clearly pointing how the method is applicable to hardware, software and firmware.

Appropriate correction is required.

### *Allowable Subject Matter*

Claims 1-9 and 11-12 are allowed.

Claims 1-4, 7, and 11-12 are allowable over the prior art of record, none of the prior art whether together singularly or in combination to teach the claimed combination as recited. The closest reference No. 6,760,649 does not disclose or suggest the improvement of the instant application comprising a detection unit for detecting and acquiring an operation status data of the component arranged inside the computer and a regulation unit capable of issuing a first control signal to a processor for requesting the operation status of the component arranged inside the computer to be regulated, wherein the processor regulates the component inside the computer by issuing a second control signal through an Inter Integrated Circuit and wherein the regulation unit is arranged on a display panel, and a third control signal to the processor for setting a critical

range of data to generate an audio and visual alert signal if the data had exceeded the critical range.

The reason for allowance of the claims 5 and 8 is the inclusion of the component arranged inside the computer is a video graphic adapter (VGA) card comprising a graphic processing unit (GPU), a fan, and a memory having data of rotation speed of the fan, a working voltage and a working frequency of the memory, a temperature, a working voltage and working frequency of the GPU.

The reason for allowance of the claims 6 and 9 is the inclusion of the component arranged inside the computer is a TV tuner card including a TV channel and FM channel.

***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

“Thermal Design of a Desktop Computer System Using CFD Analysis”, Yu et al., 2001 IEEE, 17<sup>th</sup> IEEE SEMI-THERM Symposium, Pages 18-26

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Toan M. Le whose telephone number is (571) 272-2276. The examiner can normally be reached on Monday through Friday from 9:00 A.M. to 5:30 P.M..

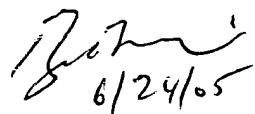
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on (571) 272-2269. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be

obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Toan Le

June 1, 2005

**BRYAN BUI**  
**PRIMARY EXAMINER**



6/24/05